



1/8

SEQUENCE LISTING

<110> Lorenz, Michael C.  
Fink, Gerald R.

<120> Glyoxylate Cycle Enzymes as Targets for  
Antifungal Drug Development

<130> 0399.2026-001

<140> 10/071,894

<141> 2002-02-08

<150> 60/267,622

<151> 2001-02-09

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<212> PRT

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Lys Thr Lys Arg Ile Tyr Ser Ala Glu Asp Ile Ala Lys Lys Arg Gly  
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Thr Leu Lys Ile Asn His Pro Ser Ser Gln Gln Ala Asp Lys Leu Phe  
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Gly Ala Leu Asp Pro Ile His Val Ala Gln Met Ala Lys Tyr Leu Asp  
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Ser Ile Tyr Val Ser Gly Trp Gln Cys Ser Ser Thr Ala Ser Thr Ser  
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Asn Lys Val Glu His Leu Trp Phe Ala Gln Leu Phe His Asp Arg Lys  
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Gln Arg Glu Glu Arg Leu Thr Leu Ser Lys Glu Glu Arg Ala Lys Thr  
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Pro Tyr Ile Asp Phe Leu Arg Pro Ile Ile Ala Asp Ala Asp Thr Gly  
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Arg Gly Ala Ala Gly Ile His Ile Glu Asp Gln Ala Pro Gly Thr Lys  
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Lys Cys Gly His Met Ala Gly Lys Val Leu Val Pro Val Gln Glu His  
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Lys Lys Ala Gly Leu Lys Leu Phe His Glu Ala Val Ile Asp Glu Ile
305      310      315      320
Lys Asn Gly Asn Tyr Ser Asn Lys Asp Ala Leu Ile Lys Lys Phe Thr
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Asp Lys Val Asn Pro Leu Ser His Thr Ser His Lys Glu Ala Lys Lys
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Leu Ala Lys Glu Leu Thr Gly Lys Asp Ile Tyr Phe Asn Trp Asp Val
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Met Glu Ser Ala Leu Pro Asp Tyr Ala Gln Ala Lys Glu Phe Ala Asp
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Gly Val Lys Ala Ala Val Pro Asp Gln Trp Leu Ala Tyr Asn Leu Ser
      420      425      430
Pro Ser Phe Asn Trp Asn Lys Ala Met Pro Ala Asp Glu Gln Glu Thr
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Tyr Ile Lys Arg Leu Gly Lys Leu Gly Tyr Val Trp Gln Phe Ile Thr
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Pro Glu Ile Glu Lys Gly Val Glu Val Lys His Gln Lys Trp Ser
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Gly Ala Thr Tyr Ile Asp Gly Leu Leu Lys Met Val Ser Gly Gly Val
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&lt;211&gt; 557

&lt;212&gt; PRT

&lt;213&gt; S. cerevisiae ICL1

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 65 70 75 80  
 Gly Ala Leu Asp Pro Ile His Val Ala Gln Met Ala Lys Tyr Leu Asp  
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 Ser Ile Tyr Val Ser Gly Trp Gln Cys Ser Ser Thr Ala Ser Thr Ser  
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 115 120 125  
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 Gln Arg Glu Glu Arg Leu Asn Met Thr Lys Glu Glu Arg Ala Asn Thr  
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 Pro Tyr Ile Asp Phe Leu Arg Pro Ile Ile Ala Asp Ala Asp Thr Gly  
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 His Gly Gly Ile Thr Ala Ile Ile Lys Leu Thr Lys Leu Phe Ile Glu  
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 Arg Gly Ala Ala Gly Ile His Ile Glu Asp Gln Ala Pro Gly Thr Lys  
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 Lys Cys Gly His Met Ala Gly Lys Val Leu Val Pro Val Gln Glu His  
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 Thr Ser Thr Ile Asp His Arg Asp His Tyr Phe Ile Ile Gly Ala Thr  
 260 265 270  
 Asn Pro Glu Ser Gly Asp Leu Ala Ala Leu Met Ala Glu Ala Glu Ala  
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 Pro Glu Ile Glu Lys Gly Val Glu Val Lys His Gln Lys Trp Ser  
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 35 40 45  
 Tyr Pro Ser Asn Val Gln Ala Lys Lys Leu Trp Gly Ile Leu Glu Arg  
 50 55 60  
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 Ala Val Met Lys Leu Thr Lys Leu Phe Val Glu Arg Gly Ala Ala Gly  
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 His Leu Lys Gln Gly Tyr Ala Ser Asn Glu Met Ala Lys Lys Leu Trp  
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Gln Phe



Docket No.: 0399.2026-001  
Applicants: Michael C. Lorenz, *et al.*  
Title: Glyoxylate Cycle Enzymes as Targets  
For Antifungal Drug Development

Serial No.: 10/071,894  
Filed: February 8, 2002  
Date recorded: July 1, 2002  
File Format: ASCII  
Computer: IBM PC Compatible  
Operating System: Windows 2000

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Applicants: Michael C. Lorenz, *et al.*  
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